

# Transmission Services

- Reserving & Scheduling Transmission
  - Presented by Edd Forsythe
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- **TVA's Transmission System**

- TVA owns and operates one of the largest and most reliable transmission systems in North America, serving over eight million residents in an 80,000 square-mile area spanning portions of seven states. TVA's transmission system moves electric power from the generating plants where it is produced to distributors of TVA power and to industrial and federal customers across the region.
- In addition, TVA provides transmission service on a nondiscriminatory, as-available basis to other qualified power providers requiring power transfers out of or through the TVA system. TVA also provides interconnection services to independent power producers consistent with sound reliability practices.

# Using the TVA Transmission System

- **Using the TVA Transmission System**
- Arrangements for transmission services, including ancillary services, can be made through the Open Access Same-Time Information System (OASIS) under a point-to-point or network transmission service agreement. TVA provides detailed guidelines for customer use in applying for, reserving, and pricing transmission service. For details see:
  - **TVA's Transmission Service Guidelines, 2002 Edition**
  - Posted on TVA's OASIS website
- Eligible customers can obtain transmission services from TVA as they are available. TVA offers a variety of options, including long- or short-term firm point-to-point transmission service, non-firm point-to-point transmission service, and network integration transmission service.

# TVA OASIS TOOLS

- On December 1, 2001, **TVA** moved to it's current **OASIS** site. All transmission customers are registered using "OATI" digital certificates
- **OATI webOASIS** is a Web enabled system designed and implemented to provide FERC compliant OASIS functionality integrated with transmission scheduling applications. **OATI webOASIS** utilizes the latest in Web technology to provide seamless access to all transmission information.
- The **OATI webOASIS** advanced market interface is dynamically configured to meet the unique requirements of individual transmission customers and providers.

# Transmission Energy Scheduler

- On August 17, 2001, TVA implemented an automated Transmission Service Reservation and Energy Scheduling System (TES). The TES consists of the transmission service request (TSR) and electronic tag (E-Tag) validation software and scheduling applications.
- TES enhances provider response time.
- TES assures only valid TSR pass through the system.
- TES provides automatic validation for TSR's
  - Customer
  - Product Type
  - Parent/ Child relationships
  - Source, Sink, POR, and POD

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- Questions

- Tag Validation
  - Tags are validated to ensures accuracy for scheduling transmission and energy.
  - Tags are validated for proper use of the transmission reservation.
    - Proper PSE
    - Correct path
    - Capacity

- TES receives TSR and Tag information every two minutes.
- TES returns the validated results to OASIS and ETS every two minutes.
- Posting Offerings
  - Each day Next Day & Hourly postings
  - Intra-day Hourly postings
  - Each Week Weekly postings
  - Each Month Monthly posting